Resource Summary Report

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Northwestern University Center for Advanced Molecular Imaging Core Facility

RRID:SCR_021192
Type: Tool

Proper Citation

Northwestern University Center for Advanced Molecular Imaging Core Facility (RRID:SCR_021192)

Resource Information

URL: https://cami.northwestern.edu/

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Description: Provides access to range of preclinical imaging modalities and support services. These include MRI, nuclear imaging (PET, SPECT, and CT), in vivo bioluminescence and fluorescence imaging, animal housing and prep spaces, and tissue culture. Image analysis services are available, as are software packages (JIM, Amira, Matlab) and a workstation for users to perform their own data analysis. Imaging services can be provided for investigators' own animal models, or animal models can be supplied by the Developmental Therapeutics Core.

Abbreviations: CAMI

Synonyms: Northwestern University Center for Advanced Molecular Imaging (CAMI)

Resource Type: core facility, service resource, access service resource

Keywords: USEDit, MRI, nuclear imaging, in vivo bioluminescence and fluorescence imaging, animal housing and prep spaces, tissue culture, image analysis, ABRF, micro PET, micro SPECT, micro CT

Funding: NCI CA060553;
NIH Office of the Director OD016398

Availability: open

Resource Name: Northwestern University Center for Advanced Molecular Imaging Core Facility

Resource ID: SCR_021192

Alternate IDs: ABRF_379

Alternate URLs: https://coremarketplace.org/?FacilityID=379

Record Creation Time: 20220129T080354+0000

Record Last Update: 20250517T060429+0000

Ratings and Alerts

No rating or validation information has been found for Northwestern University Center for Advanced Molecular Imaging Core Facility.

No alerts have been found for Northwestern University Center for Advanced Molecular Imaging Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Kim M, et al. (2024) Personalized composite scaffolds for accelerated cell- and growth factor-free craniofacial bone regeneration. Bioactive materials, 41, 427.

Su J, et al. (2024) Enabling Non-invasive Tracking of Vascular Endothelial Cells Derived from Induced Pluripotent Stem Cells Using Nuclear Imaging. Cardiovascular engineering and technology.

Tang JH, et al. (2024) MR Imaging Reveals Dynamic Aggregation of Multivalent Glycoconjugates in Aqueous Solution. Inorganic chemistry.

Hwang J, et al. (2024) DNA Anchoring Strength Directly Correlates with Spherical Nucleic Acid-Based HPV E7 Cancer Vaccine Potency. Nano letters, 24(25), 7629.

Waters EA, et al. (2024) Distribution of MRI-derived T2 values as a biomarker for in vivo rapid screening of phenotype severity in mdx mice. PloS one, 19(9), e0310551.

McDonald SM, et al. (2023) Resorbable barrier polymers for flexible bioelectronics. Nature communications, 14(1), 7299.

Burton A, et al. (2023) Fully implanted battery-free high power platform for chronic spinal and muscular functional electrical stimulation. Nature communications, 14(1), 7887.

Waters EA, et al. (2023) New semi-automated tool for the quantitation of MR imaging to estimate in vivo muscle disease severity in mice. bioRxiv : the preprint server for biology.

Tang JH, et al. (2023) Molecular Engineering of Self-Immolative Bioresponsive MR Probes. Journal of the American Chemical Society, 145(18), 10045.

Yang Q, et al. (2022) High-speed, scanned laser structuring of multi-layered eco/bioresorbable materials for advanced electronic systems. Nature communications, 13(1), 6518.

Choi YS, et al. (2022) A transient, closed-loop network of wireless, body-integrated devices for autonomous electrotherapy. Science (New York, N.Y.), 376(6596), 1006.

Yang Q, et al. (2021) Photocurable bioresorbable adhesives as functional interfaces between flexible bioelectronic devices and soft biological tissues. Nature materials, 20(11), 1559.

Viola KL, et al. (2021) The Therapeutic and Diagnostic Potential of Amyloid ? Oligomers Selective Antibodies to Treat Alzheimer's Disease. Frontiers in neuroscience, 15, 768646.